Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/18/2019 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124412	-1	1.55	124495	1.53
Blue	F	SSC	125000	125167	0	1.53	126016	1.50
Blue	E	FITC	16122	15648	-3	2.66	341	19.77
Blue	D	PE	29316	28743	-2	1.90	627	14.72
Blue	B	PerCP-Cy5-5	42590	42322	-1	3.49	1137	19.60
Blue	A	PE-Cy7	33146	33426	0	5.97	639	40.50
Red	C	APC	45473	45047	-1	2.45	1598	11.86
Red	A	APC-Cy7	31961	30773	-4	2.47	810	12.03
Violet	B	V450	7914	7446	-6	4.85	415	13.57
Violet	A	V500	29769	28526	-5	4.74	662	11.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21152	3.94	607	7	N/A	N/A	Pass
Blue	F	SSC	56797	1.06	548	10	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0213	189	Pass
Blue	D	PE	130	49.99	541	4	0.1636	275	Pass
Blue	B	PerCP-Cy5-5	211	50.13	643	5	0.0101	138	Pass
Blue	A	PE-Cy7	119	97.59	697	6	0.0109	8	Pass
Red	C	APC	381	25.10	585	6	0.0260	203	Pass
Red	A	APC-Cy7	180	28.47	560	4	0.0055	870	Pass
Violet	B	V450	64	62.90	464	4	0.0566	2702	Pass
Violet	A	V500	99	36.34	477	5	0.0216	1029	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.09	-31.80	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.68	13.60 - 20.40	N/A	N/A	29.47	29.79	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11295

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments